sheet 1 of 1

PTO/SB/08 (2-92) Sheet 1 of 1

| | Form PTO-1449 | | | | | 42002300 | Application Number 10/618,403 | | |
|-----------------------------------|--|----------|--------------|-----------|------------------------------|----------|-------------------------------|------------------------------|--|
| INFORMATION DISCLOSURE CITATION | | | | | Applicant Charles E. HEGER | | | | |
| (Use several sheets if necessary) | | | | | Filing Date July 11, 2 | 2003 | Group Art Unit | Not Yet Assigned | |
| COM 8 OF | (000 00 00 00 00 00 00 00 00 00 00 00 00 | | | | Mailing Date October 3, 2003 | | | | |
| VENT & TRACE | | | U.S. PA | TEN' | T DOCUMENT | | | | |
| Examiner Initials | Ref. No. | Date | Document No. | | Name | Class | Subclass | Filing Date I Appropriate | |
| V.N | 4 | | Pisk | ce et al. | 356 | 149 | | | |
| | L | <u> </u> | FOREIGN | PAT | ENT DOCUME | ENTS | | | |
| Examiner Initials | Ref. No. | Date | Document No. | | Country | Class | Subclass | Translation YES NO | |
| | | | None/V | , N | | | | | |
| | | | | | OCUMENTS | (includ | ing author, title, Da | ate, Pertinent Pages, E | |
| Examiner Initials | Ref. No. | Title | , , | | | | - - | | |
| | | | None/UN | | | | | | |
| | | | <i>t</i> | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

Sheet 1 of 1

PTO/SB/08 (2-92) Sheet 1 of 1

| Form PTO-1449 | | | | Docket Number 549242 | 2002300 | Application Number 10/618,403 | | | | | |
|--|-----------------------------------|-----------------------|-----------------------------|----------------------|---|-------------------------------|---------------------------------------|----------------------------|--|--|--|
| O'INFORMATION DISCLOSURE CITATION | | | | Applicant | | | | | | | |
| O'INFORMATION DISCLOSURE CITATION IN AN APPLICATION | | | | | Charles E. HEGER | | | | | | |
| MT 1 1 200 | (Use several sheets if necessary) | | | | Filing Date July 11, 200 |)3 | Group Art Unit | Not Yet Assigned | | | |
| | | | | | | 0, 2003 | | | | | |
| PAREN | CHADELLER | | | | | | | - | | | |
| Car | | | U.S. PA | TEN | T DOCUMENTS | 5 | · · · · · · · · · · · · · · · · · · · | | | | |
| Examiner Initials | Ref. No. | Date | Document No. | | Name | Class | Subclass | Filing Date If Appropriate | | | |
| VIN | 1. | 03/14/1989 | 4,811,491 | Phillips et al. | | 33 | 366.12 | | | | |
| VIN | 2. | 04/18/1995 | 5,406,713 | On | nan et al. | 33 | 366.12 | | | | |
| | | <u></u> | FOREIGN | PAT | ENT DOCUMEN | NTS | | | | | |
| Examiner Initials | Ref. No. | Date | Document No. | | Country | Class | Subclass | Translation YES NO | | | |
| | | No. | re/U.N | | | | | | | | |
| | | <u>.l</u> | V | RD | OCUMENTS | (includ | ing author, title, Da | te, Pertinent Pages, Etc.) | | | |
| Examiner | Ref. | Title | | | | ` | | | | | |
| Initials | No. | | ; | | | | · | | | | |
| | | / N | N.0/0.N | | | | | | | | |
| | | | ν | | | | | : | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | - | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | , | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| , | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | | | |
| | | | | | | OTD PD PD | =/- | | | | |
| EXAMI | EXAMINER: V. Lyuyen | | | | DATE CONSIDERED: 7/2004 | | | | | | |
| EXAMII conform | NER: Init | tial if citation cons | sidered, whether or not the | ne cita n with | tion conforms with MP next communication to | EP 609. Draw applicant. | a line through the | citation if not in | | | |

Sheet 1 of 1

PTO/SB/08 (2-92) Sheet 1 of 1

| Form PTO-1449 | | | | | Docket Number 54924200 | Application Number 10/618,403 | | | | | |
|--|--|--|-------------|--------------|-------------------------|-------------------------------|-------|---------------------------------|----------|--------|--|
| INFORMATION DISCLOSURE CITATION | | | | | Applicant | | | | | | |
| IN AN APPLICATION | | | | | | Charles E. HEGER | | | | | |
| C.A | | | | | | Filing Date July 11, 2003 | | Group Art Unit Not Yet Assigned | | | |
| (Use several sheets if necessary) | | | | | Mailing Date August 28, | 2003 | 2818 | | | | |
| Tere TR | , all | The state of the s | | | | | | | | | |
| , in | AUST | | | U.S. PAT | ΓΕΝ | T DOCUMENTS | | | | j | |
| | | Ref. | Date | Document No. | Name | | Class | Subclass | Filing D | | |
| | Initials No. | | | | <u> </u> | | | | Approp | oriate | |
| VIN | | 1. | | | | | 33 | 391 | | | |
| | | 2. | 06/13/1978 | 4,094,073 Pa | | | 33 | 366.14 | | | |
| | | 3. | 06/03/1980 | 4,206,400 | Hol | dren et al. | 324 | 679 | | | |
| | | 4. | 08/24/1982 | 4,345,474 | Dev | /al | 73 | 514.18 | | | |
| | | 5. | 12/22/1987 | 4,713,890 | We | ils et al. | 33 | 366,25 | | | |
| | | 6. | 03/14/1989 | 4,811,492 | Kak | cuta et al. | 3.3 | 366.25 | | | |
| | | 7. | 03/27/1990 | 4,912,662 | But | ler et al. | 702 | 154 | | | |
| | | 8. | 01/28/1992 | 5,083,383 | Heg | ger et al. | 37 | 366,19 | | | |
| | | 9. | 11/09/1993 | 5,259,118 | Heg | ger | 7 | 366,27 | | | |
| | | 10. | 05/24/1994 | 5,313,713 | Heg | ger et al. | 33 | 366.14 | | | |
| | | 11. | 12/12/1995 | 5,475,372 | Bur | ke | 340 | 690. | | | |
| | | 12. | 04/30/1996 | 5,511,420 | Zha | o et al. | 73 | 514.18 | | | |
| | | 13. | 05/12/1998 | 5,751,683 | Kle | y . | 369 | 126 | | | |
| | | 14. | 01/19/1999 | 5,861,754 | Uer | no et al. | 324 | 660 | | | |
| | | 15. | 08/17/1999 | 5,939,633 | Jud | y | 73 | 514.32 | | | |
| | | 16. | 11/13/2001 | 6,317,011 | Bar | nett et al. | 333 | 24C | | | |
| 1 | | 17. | 05/07/2002 | 6,381,860 | Yas | hiro et al. | 33 | 366,19 | | | |
| · V,r | 1 | 18. | 02/04/2003 | 6,515,489 | Mir | n et al. | 324 | 662 | | | |
| FOREIGN PATENT DOCUMENTS | | | | | | | | | | | |
| Exami | ner | Ref. | Date | Document No. | | Country | Class | Subclass | Transla | ation | |
| Initia | ls | No. | | | | · | | | YES | NO | |
| None/Vin | | | | | | | | | | | |
| OTHER DOCUMENTS (including author, title, Date, Pertinent Pages, Etc.) | | | | | | | | | | | |
| Exami Initia | | Ref. Title | | | | | | | | | |
| V,N | 10 Kolb P.W. et al. (1998) "Canacitive Sensor for Micronositioning in Two Dimensions." Ray Soi | | | | | | | | | | |
| | | | | | | | | | | | |
| EXAMINER: V. Mariger DATE CONSIDERED: 7/2004 | | | | | | | | | | | |
| EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant. | | | | | | | | | | | |
| PTO/SR/ 08 (2-92) Patent and Trademark Office: LLS DEPARTMENT OF COMMERCE | | | | | | | | | | | |